RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/538,471Source: PCTDate Processed by STIC: 06-28-2005

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial	Number: 10/538,471	CRF Edit Date: 06-28-2005 Edited by: YF
	Realigned nucleic acid/amino acid numbers/tex text "wrapped" to the next line	at in cases where the sequence
	Corrected the SEQ ID NO. Sequence numbers	s edited were:
	Inserted or corrected a nucleic number at the e NO's edited:	end of a nucleic line. SEQ ID
	Deleted: invalid beginning/end-of-file text	; page numbers
	Inserted mandatory headings/numeric identifie	ers, specifically:
	Moved responses to same line as heading/nume	eric identifier, specifically:
	Other: MOVED OVERLAPED < 2217 The next line, as <2207 any response	to < 2207 to

Raw Sequence Listing before editing, for reference only



PCT

RAW SEQUENCE LISTING DATE: 06/28/2005
PATENT APPLICATION: US/10/538,471 TIME: 08:40:16

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\06282005\J538471.raw

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3 <110> APPLICANT: Balakireva, Larissa
      5 <120> TITLE OF INVENTION: MOLECULES INHIBITING HEPATITIS C VIRUS PROTEIN SYNTHESIS AND
METHOD FOR
              SCREENING SAME
      6
      8 <130> FILE REFERENCE: 1759.200
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/538,471
C--> 11 <141> CURRENT FILING DATE: 2005-06-03
     11 <150> PRIOR APPLICATION NUMBER: PCT/FR03/03675
     12 <151> PRIOR FILING DATE: 2003-12-11
     14 <150> PRIOR APPLICATION NUMBER: FR0215718
     15 <151> PRIOR FILING DATE: 2002-12-12
     17 <160> NUMBER OF SEO ID NOS: 16
     19 <170> SOFTWARE: PatentIn version 3.1
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     24 <213> ORGANISM: Artificial Sequence
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     29 <223> OTHER INFORMATION: corresponds to IRES sequence of HCV
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     35 gtgtcgtgca gcctccagga cccccctcc cgggagagcc atagtggtct gcggaaccgg
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     37 tgagtacacc ggaattgcca ggatgaccgg gtcctttctt ggatcaaccc gctcaatgcc
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     39 tggagatttg ggcgtgcccc cgcgagactg ctagccgagt agtgttgggt cgcgaaaggc
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     41 cttgtggtac tgcctgatag ggtgcttgcg agtgccccgg gaggtctcgt agaccgtgca
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    65 <212> TYPE: DNA
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68 <220> FEATURE:

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W--> 69 <221> NAME/KEY: HCV 70 <222> LOCATION: 56..92 71 <223> OTHER INFORMATION: corresponds to a portion (consensus sequence) of HCV IRES sequence 73 <400> SEQUENCE: 3 75 tactgtcttc acgcagaaag cgtctagcca tggcgtt 37 78 <210> SEQ ID NO: 4 79 <211> LENGTH: 814 80 <212> TYPE: PRT 81 <213> ORGANISM: Artificial Sequence 83 <220> FEATURE: W--> 84 <221> NAME/KEY: p116 85 <222> LOCATION: 1..814 86 <223> OTHER INFORMATION: corresponds to p116 subunit of eIF3 88 <400> SEQUENCE: 4 90 Met Gln Asp Ala Glu Asn Val Ala Val Pro Glu Ala Ala Glu Glu Arg 94 Ala Glu Pro Gly Gln Gln Pro Ala Ala Glu Pro Pro Pro Ala Glu 98 Gly Leu Leu Arg Pro Ala Gly Pro Gly Ala Pro Glu Ala Ala Gly Thr 102 Glu Ala Ser Ser Glu Glu Val Gly Ile Ala Glu Ala Gly Pro Glu Pro 106 Glu Val Arg Thr Glu Pro Ala Ala Glu Ala Glu Ala Ser Gly Pro 70 110 Ser Glu Ser Pro Ser Pro Pro Ala Ala Glu Glu Leu Pro Gly Ser His 90 114 Ala Glu Pro Pro Val Pro Ala Gln Gly Glu Ala Pro Gly Glu Gln Ala 100 105 118 Arg Asp Glu Arg Ser Asp Ser Arg Ala Gln Ala Val Ser Glu Asp Ala 120 122 Gly Gly Asn Glu Gly Arg Ala Ala Glu Ala Glu Pro Arg Ala Leu Glu 135 126 Asn Gly Asp Ala Asp Glu Pro Ser Phe Ser Asp Pro Glu Asp Phe Val 155 150 130 Asp Asp Val Ser Glu Glu Glu Leu Leu Gly Asp Val Leu Lys Asp Arg 165 170 134 Pro Gln Glu Ala Asp Gly Ile Asp Ser Val Ile Val Val Asp Asn Val 185 138 Pro Gln Val Gly Pro Asp Arg Leu Glu Lys Leu Lys Asn Val Ile His 195 200 142 Lys Ile Phe Ser Lys Phe Gly Lys Ile Thr Asn Asp Phe Tyr Pro Glu 215 146 Glu Asp Gly Lys Thr Lys Gly Tyr Ile Phe Leu Glu Tyr Ala Ser Pro 150 Ala His Ala Val Asp Ala Val Lys Asn Ala Asp Gly Tyr Lys Leu Asp 245 154 Lys Gln His Thr Phe Arg Val Asn Leu Phe Thr Asp Phe Asp Lys Tyr 265

158 Met Thr Ile Ser Asp Glu Trp Asp Ile Pro Glu Lys Gln Pro Phe Lys

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163	a 3	290			- 3	-1	295	_	~ 7		_	300	_			_
		Tyr	ser	vaı	тте		GIU	Ser	GIY	Asp	_	Thr	ser	He	Phe	_
	305					310					315		_			320
	Asn	Asp	Val	Lys	_	Pro	Val	Ser	Ile		Glu	Arg	Ala	Arg	_	Thr
171					325					330					335	
174	Glu	Thr	Tyr	Val	Arg	Trp	Ser	Pro	Lys	Gly	Thr	Tyr	Leu	Ala	Thr	Phe
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179			355					360					365			
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187	385					390					395					400
190	Pro	Gln	Ala	Ile	Ile	Ile	Trp	Asp	Ile	Leu	Thr	Gly	His	Lys	Lys	Arg
191					405					410	•				415	
194	Gly	Phe	His	Cys	Glu	Ser	Ser	Ala	His	Trp	Pro	Ile	Phe	Lys	Trp	Ser
195	_			420					425	_				430	-	
198	His	Asp	Gly	Lys	Phe	Phe	Ala	Arg	Met	Thr	Leu	Asp	Thr	Leu	Ser	Ile
199		-	435	•				440				-	445			
202	Tyr	Glu	Thr	Pro	Ser	Met	Gly	Leu	Leu	Asp	Lys	Lys	Ser	Leu	Lys	Ile
203	-	450					455			-	•	460			•	
206	Ser	Gly	Ile	Lys	qaA	Phe	Ser	Trp	Ser	Pro	Glv	Glv	Asn	Ile	Ile	Ala
	465	•		•	_	470		•			475	- 4				480
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211		•			485	•	•			490					495	
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235				580		017		1114	585			UCI	•	590	- 110	- 7 -
	His	Val	Lvs		Asn	Glv	Lvs	Tle		T.e11	Tle	Lvs	Met		Δsn	Lvs
239			595		11011	017	_,,	600	014	шеш	110	מעב	605	1110	тор	2,5
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243	GIII	610	ліа	Holi	1111	116	615	тър	Ser	PIO	GIII	620	GIII	FIIC	vai	vai
	T 011	Ala	Clv	Lou	720	cor		7 an	C111	λla	T 011		Dho	17-1	7 an	Thx
		Ala	GIY	ьец	Arg		Met	ASII	GIY	Ala		Ala	Pile	val	Asp	
247		7 ar	Carc	Thr	v-1	630 Mot	7 as	Tla	λ Ι.	C1	635	The san	Mot		Cox	640
	Ser	Asp	Cys	TIIT		Mec	Wall	TIG	MIG		птр	TAT	MEL	ATG		Asp
251	17- T	~1	П	7 ~	645	mb	01	7	m	650	*** 1	m\	0	17 T	655	Mac
	val	Glu	rrp		PTO	mr	стλ	arg	_	vaı	vaı	Tnr	ser		ser	ırp
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Input Set : A:\PTO.RJ.txt Output Set: N:\CRF4\06282005\J538471.raw 258 Trp Ser His Lys Val Asp Asn Ala Tyr Trp Leu Trp Thr Phe Gln Gly 680 262 Arg Leu Leu Gln Lys Asn Asn Lys Asp Arg Phe Cys Gln Leu Leu Trp 695 266 Arg Pro Arg Pro Pro Thr Leu Leu Ser Gln Glu Gln Ile Lys Gln Ile 267 705 710 715 270 Lys Lys Asp Leu Lys Lys Tyr Ser Lys Ile Phe Glu Gln Lys Asp Arg 725 274 Leu Ser Gln Ser Lys Ala Ser Lys Glu Leu Val Glu Arg Arg Arg Thr 740 745 278 Met Met Glu Asp Phe Arg Lys Tyr Arg Lys Met Ala Gln Glu Leu Tyr 755 760 282 Met Glu Gln Lys Asn Glu Arg Leu Glu Leu Arg Gly Gly Val Asp Thr 775 286 Asp Glu Leu Asp Ser Asn Val Asp Asp Trp Glu Glu Glu Thr Ile Glu 790 795 290 Phe Phe Val Thr Glu Glu Ile Ile Pro Leu Gly Asn Glu Glu 805 294 <210> SEQ ID NO: 5 295 <211> LENGTH: 106 296 <212> TYPE: PRT 297 <213> ORGANISM: Artificial Sequence 299 <220> FEATURE: W--> 300 <221> NAME/KEY: p116 301 <222> LOCATION: 175..279 302 <223> OTHER INFORMATION: corresponds to a portion (RRM) of eIF3 p116 subunit 304 <400> SEQUENCE: 5 306 Met Asp Arg Pro Gln Glu Ala Asp Gly Ile Asp Ser Val Ile Val Val 5 310 Asp Asn Val Pro Gln Val Gly Pro Asp Arg Leu Glu Lys Leu Lys Asn 314 Val Ile His Lys Ile Phe Ser Lys Phe Gly Lys Ile Thr Asn Asp Phe 318 Tyr Pro Glu Glu Asp Gly Lys Thr Lys Gly Tyr Ile Phe Leu Glu Tyr 55 322 Ala Ser Pro Ala His Ala Val Asp Ala Val Lys Asn Ala Asp Gly Tyr 70 75 326 Lys Leu Asp Lys Gln His Thr Phe Arg Val Asn Leu Phe Thr Asp Phe 85 330 Asp Lys Tyr Met Thr Ile Ser Asp Glu Trp . 105 331 100 334 <210> SEQ ID NO: 6 335 <211> LENGTH: 33 336 <212> TYPE: DNA 337 <213> ORGANISM: Artificial Sequence 339 <220> FEATURE: 340 <221> NAME/KEY: primer bind 341 <222> LOCATION: 1..33 342 <223> OTHER INFORMATION: HCV RRM 5' primer (RRMfwd)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/538,471

DATE: 06/28/2005

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Input Set : A:\PTO.RJ.txt Output Set: N:\CRF4\06282005\J538471.raw 344 <400> SEQUENCE: 6 346 catatggatc ggccccagga agcagatgga atc 33 349 <210> SEO ID NO: 7 350 <211> LENGTH: 33 351 <212> TYPE: DNA 352 <213> ORGANISM: Artificial Sequence 354 <220> FEATURE: 355 <221> NAME/KEY: primer bind 356 <222> LOCATION: 1..33 357 <223> OTHER INFORMATION: HCV RRM 3' primer (RRMrev) 359 <400> SEQUENCE: 7 361 gtgctcgagc cactcgtcac tgatcgtcat ata 33 364 <210> SEQ ID NO: 8 365 <211> LENGTH: 29 366 <212> TYPE: DNA 367 <213> ORGANISM: Artificial Sequence 369 <220> FEATURE: 370 <221> NAME/KEY: primer bind 371 <222> LOCATION: 1..29 372 <223> OTHER INFORMATION: HCV IRES 5' primer (IRESfwd) 374 <400> SEQUENCE: 8 376 accgctagcc tcccctgtga ggaactact 29 379 <210> SEQ ID NO: 9 380 <211> LENGTH: 46 381 <212> TYPE: DNA 382 <213> ORGANISM: Artificial Sequence 384 <220> FEATURE: 385 <221> NAME/KEY: primer_bind 386 <222> LOCATION: 1..46 387 <223> OTHER INFORMATION: HCV IRES 3' primer (IRESrev) 389 <400> SEQUENCE: 9 391 gaaagetttt ttetttgagg tttaggattt gtgeteatga tgeacg 46 394 <210> SEQ ID NO: 10 395 <211> LENGTH: 95 396 <212> TYPE: DNA 397 <213> ORGANISM: Artificial Sequence 399 <220> FEATURE: 400 <221> NAME/KEY: primer bind 401 <222> LOCATION: 1..95 402 <223> OTHER INFORMATION: primer IIIabcfwd which corresponds to T7 polymerase promoter + 139-215 of 403 HCV (regions IIIa-IIIb) 405 <400> SEQUENCE: 10 407 taatacgact cactataggg tagtggtctg cggaaccggt gagtacaccg gaattgccag 60 409 gacgaccggg tcctttcttg gataaacccg ctcaa 95 412 <210> SEQ ID NO: 11 413 <211> LENGTH: 60 414 <212> TYPE: DNA 415 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/538,471

417 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/28/2005 PATENT APPLICATION: US/10/538,471 TIME: 08:40:17

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\06282005\J538471.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:10; Line(s) 402

VERIFICATION SUMMARY DATE: 06/28/2005
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Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\06282005\J538471.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:52 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:69 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:84 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
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